

Under the Paperwork Reduction act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Application Number	10/762,746
		Filing Date	January 22, 2004
		First Named Inventor	R.C. Meier
		Group Art Unit	2635
		Examiner Name	B.A. Zimmerman
(use as many sheets as necessary)		Attorney Docket Number	14420US02
Sheet	1	of	4

**U.S. PATENT DOCUMENTS**

Examiner Initial*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	4,707,829	11-17-1987	Pendse	
	A2	4,910,794	03-20-1990	Mahany	
	A3	4,945,532	07-31-1990	Hald	
	A4	5,070,536	12-03-1991	Mahany	
	A5	5,175,537	12-29-1992	Jaffe	
	A6	5,214,647	05-25-1993	Komatsu	
	A7	5,295,154	03-15-1994	Meier	
	A8	5,350,320	10-25-1994	Jaffe	
	A9	5,485,147	01-16-1996	Jaffe	
	A10	5,625,825	04-29-1997	Rostoker	
	A11	4,063,220	12-13-1977	Metcalfe	
	A12	4,251,865	02-17-1981	Morris	
	A13	4,332,027	05-25-1982	Malcolm	
	A14	4,661,902	04-28-1987	Hochsprung	
	A15	4,689,786	08-25-1987	Sidhu	
	A16	4,987,571	01-22-1991	Haymond	
	A17	5,164,942	11-17-1992	Kamerman	
	A18	5,673,031	09-30-1997	Hill	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	B1	JP 1117533	05-10-1989	Inoue		
	B2	JP 1119146	05-11-1989	Murono		
	B3	JP 1143536	06-06-1989	Deguchi		
	B4	JP 1152837	05-15-1989	Courtois		
	B5	JP 1305637	12-08-1989	Tanaka		
	B6	JP 2051922	02-21-1990	Iijima		
	B7	JP 3268534	11-29-1991	Yamaguchi		
	B8	JP 4123628	04-23-1992	Shikoku		
	B9	JP 4199934	07-21-1992	Hiroyuki		
	B10	JP 4259140	09-14-1992	Kobayashi		

EXAMINER SIGNATURE	<i>Edna R. Bell</i>	DATE CONSIDERED	1-17-08
-----------------------	---------------------	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450 Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. Send TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1800-786-9199) and select option 2.

Under the Paperwork Reduction act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)				<b>Complete If Known</b>		
				Application Number	10/762,746	
Sheet		2	Of	4	Filing Date	January 22, 2004
					First Named Inventor	R.C. Meier
					Group Art Unit	2635
					Examiner Name	B.A. Zimmerman
					Attorney Docket Number	14420US02

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>a</sup>
		Country Code <sup>2</sup> -Number <sup>3</sup> -Kind Code <sup>4</sup> (if known)					
	B11	JP 5253132		10-05-1993	Toshiyuki		
	B12	JP 58159036		09-21-1983	Hasegawa		
	B13	JP 61100041		05-19-1986	Yamaoka		
	B14	JP 61251251		11-08-1986	Hirasawa		
	B15	WO 96-10304		04-04-1996	Sherer		

OTHER ART - NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published				
	C1	ANDREWS, et al., "Inside Apple Talk, 2 <sup>nd</sup> Edition", Addison-Wesley Publishing Company				
	C2	FAKHOURI et al., "Coding And Multiple Access Techniques For Data Transmission In Land-Mobile Satellite Networks", IEEE Pacific Rim Conference On Communications, Computers And Signal Processing, pp. 410-413, 05/09-10/1991				
	C3	GLASS et al., "Broad-Band Networks For LAN And Radio Applications", IEEE 38 <sup>th</sup> Vehicular Technology Conference, pp. 44-51, 06/15-17/1988				
	C4	HASHEMI et al., "An Efficient Reservation System For Local Area Networks Based On CSMA/CD", IEEE Pacific Rim Conference On Communications, Computers And Signal Processing, pp. 1-4, 06/01-02/1989				
	C5	HU et al., "Collision Resolution Algorithms For CDMA Systems", IEEE Journal On Selected Areas In Communications, Vol. 8, No. 4, pp. 542-554, 05/1990				
	C6	KARN, "MACA - A New Channel Access Method For Packet Radio", ARRL/CRRL Amateur Radio 9 <sup>th</sup> Computer Networking Conference, pp. 134-140, 09/1990				
	C7	KLEINROCK et al., "Packet Switching In Radio Channels: New Conflict-Free Multiple Access Schemes", IEEE Transactions On Communications, Vol. COM-28, No. 7, pp. 1015-1029, 07/1980				
	C8	KLEINROCK, "On Queueing Problems In Random-Access Communications", IEEE Transactions On Information Theory, Vol. IT-31, No. 2, pp. 166-175, 03/1985				
	C9	KLEINROCK, "On Resource Sharing In A Distributed Communication Network", IEEE Communications Magazine, pp. 27-34, 01/1979				
	C10	LEINER et al., "Issues In Packet Radio Network Design", IEEE Proceedings, Vol. 75, No. 1, pp. 6-20, 01/1987				
	C11	ONUNGA et al., "Personal Computer Communications On Intra-building Power Line LAN's Using CSMA With Priority Acknowledgements", IEEE Journal On Selected Areas In Communications, Vol. 7, No. 2, pp. 180-191, 02/1989				

EXAMINER <i>Ed C. Doherty</i>	DATE CONSIDERED <i>1-14-08</i>
-------------------------------	--------------------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO (12-21-2006)		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary))		Application Number	10/762,746
		Filing Date	January 22, 2004
		First Named Inventor	R.C. Meier
		Group Art Unit	2635
		Examiner Name	B.A. Zimmerman
Attorney Docket Number	14420US02		
Sheet	3	Of	4

**OTHER ART -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	C12	PEHA et al., "Implementation Strategies For Scheduling Algorithms In Integrated-Services Packet-Switched Networks", Global Telecommunications Conference, 1991, GLOBECOM '91, pp.1733-1740, 12/02-05/1991
	C13	SCHOLL et al., "On A Mixed Mode Multiple Access Scheme For Packet-Switched Radio Channels", IEEE Transactions On Communications, Vol. COM-27, No. 6, pp. 906-911, 06/1979
	C14	TAKAGI et al., "A Tutorial On The Analysis Of Polling Systems", Computer Science Dept., Univ. Of Calif., Los Angeles, 06/01/1984
	C15	TAN et al., "A New Free-Access Collision Resolution Algorithm Based Connection Request procedure For Land Mobile Satellite Systems", INFOCOM '89, Eighth Annual Joint Conference Of The IEEE Computer And Communications Societies Proceedings, pp. 1057-1062, 1989
	C16	INTENTIONALLY LEFT BLANK
	C17	INTENTIONALLY LEFT BLANK
	C18	TOBAGI et al., "Packet Switching In Radio Channels: Part IV Stability Considerations And Dynamic Control In Carrier Sense Multiple Access", IEEE Transactions On Communications, Vol. COM-25, No. 10, pp. 1130-1119, 10/1977
	C19	TOBAGI et al., "Packet Radio And Satellite Networks", IEEE Communications Magazine, Vol. 22, No. 11, pp. 24-40, 11/1984
	C20	TOBAGI et al., "Packet Switching In Radio Channels : Part III-Polling and (Dynamic) Split-Channel Reservation Multiple Access", IEEE Transactions On Communications, Vol. COM-24, No. 8, pp. 832-845, 08/1976
	C21	TOBAGI et al., "Packet Switching In Radio Channels: Part I-Carrier Sense Multiple-Access And Their Throughput-Delay Characteristics", IEEE Transactions On Communications, Vol. CCOM-23, No. 12, pp. 1400-1416, 12/1975.
	C22	TOBAGI et al., "Packet Switching In Radio Channels: Part II-The Hidden Terminal Problem In Carrier Sense Multiple-Access And The Busy-Tone Solution", IEEE Transactions On Communications, Vol. CCOM-23, No. 12, pp. 1417-1433, 12/1975.
	C23	TOBAGI, "Multiaccess Protocols In Packet Communication System", IEEE Transactions On Communications, Vol. COM-28, No. 4, pp. 468-488, 04/1980
	C24	YUE, "Performance Analysis Of Cellular Mobile Radio Systems Using Slotted ALOHA Protocol With Capture", IEEE Pacific Rim Conference On Communications, Computers And Signal Processing, pp. 550-553, 05/09-10/1991
EC	C16	TANENBAUM, Computer Networks, Prentice-Hall, Inc., 1981
EC	C17	TANENBAUM, Computer Networks, 2 <sup>nd</sup> Edition, Prentice-Hall, Inc., 1988
EC	C25	Plaintiff and Counterdefendant Qualcomm Incorporated's Preliminary Invalidity Contentions For U.S. Patent Nos. 5,500,872, 5,627,412, 5,946,344, 6,075,807, 6,320,896, And 6,714,559

EXAMINER

Ed C. Meier

DATE CONSIDERED

1-14-08

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO

*(use as many sheets as necessary)*

**Complete if Known**

Application Number	10/762,746
Filing Date	January 22, 2004
First Named Inventor	R.C. Meler
Group Art Unit	2635
Examiner Name	B.A. Zimmerman
Attorney Docket Number	14420US02

Sheet	4	Of	4
-------	---	----	---

Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published

**Examiner  
Initials\***

Cite  
No.<sup>1</sup>

JOHNSON, "Thoughts on an Adaptive Link Level Protocol." Tucson Amateur Packet Radio  
Colorado Springs, 1989

SIDHU et al., "Inside Appletalk", Second Edition, Addison-Wesley Publishing Company, Inc.,  
1990

already considered

**EXAMINER**

Ed. C. R. L.

DATE CONSIDERED

1-1408

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.